B1 Cont'd

1991, Proc. Acad. Sci. USA, 88:7001-7005). In contrast to the cited reference, in the numbering used herein, nucleotide No. 1 is the first base of the initiation codon (the A of the first ATG). The first amino acid is the corresponding methionine. The cDNA untranslated regions at 5' and 3' are neither represented nor considered in the numbering.--

Please replace the paragraph beginning on page 15, line 24, with the following rewritten paragraph:

--b) Nucleotide (SEQ ID NO: 19) and amino acid (SEQ ID NO: 20) sequence of human MSP (Gene Bank # L11924; Yoshimura, T., et al., 1993, J. Biol. Chem., 268:15461-15468). In contrast to the cited reference, in the numbering used herein nucleotide No. 1 is the first base of the initiation codon (the A of the first ATG). The first amino acid is the corresponding methionine. The cDNA untranslated regions at 5' and 3' are neither represented nor considered in the numbering.--

B2

Please replace the paragraph beginning on page 16, line 11, with the following rewritten paragraph:

--b) Nucleotide (SEQ ID NO: 21) and amino acid (SEQ ID NO: 4) sequence of Metron-Factor-1. The nucleotide sequence starts with the EcoRI site and terminates with the SalI site (first six bases and

B3

34

B

B3 Cont't

last six bases, respectively). The initiation codon (ATG) and the stop codon (TAG) are underlined.--

Please replace the paragraph beginning on page 16, line 20, with the following rewritten paragraph:

B4

--b) Nucleotide (SEQ ID NO: 22) and amino acid (SEQ ID NO: 2) sequence of Magic Factor-1. The nucleotide sequence starts with the SalI site (first six bases and last six bases, respectively). The initiation codon (ATG) and the stop codon (TAG) are underlined.--

Please replace the paragraph beginning on page 18, line 18, with the following rewritten paragraph:

B5

--The fragment corresponding to MSP LS-HL-K1-K2 was amplified by PCR using MSP cDNA as template and the following oligonucleotides as primers:

P1 (sense) (SEQ ID NO: 5)

5' CGCGCGGAATTCCACCATGGGGTGGCTCCCACTCCT 3'

P2 (antisense) (SEQ ID NO: 6)

5' CGCGCGCTCGAGGCGGGGCTGTGCCTCGGACCCGCA 3'

in which the underlined palindromic sequences are the restriction sites for the enzymes EcoRI (oligonucleotide P1) and XhoI (oligonucleotide P2). The PCR product was digested with the

B5 Cont'd restriction enzymes EcoRI and XhoI and then purified by electrophoresis on agarose gel.--

Please replace the paragraph beginning on page 19, line 4, with the following rewritten paragraph:

--The fragment corresponding to HL-K1-K2 of HGF was amplified B6 by PCR using HGF cDNA as template and the following oligonucleotides as primers:

P3 (sense) (SEQ ID NO: 7)

5' CGCGCGTCTAGAGGGACAAAGGAAAAGAAGAAATAC 3'

P4 (antisense) (SEQ ID NO: 8)

5' CGCGCGAAGCTTTGTCAGCGCATGTTTTAATTGCAC 3'

in which the underlined palindromic sequences are the restriction sites for the enzymes XbaI (oligonucleotide P3) and HindIII (oligonucleotide P4). The PCR product was digested with the restriction enzymes XbaI and HindIII and then purified by electrophoresis on agarose gel.--

Please replace the paragraph beginning on page 19, line 15, with the following rewritten paragraph:

--For the linker sequence, the following partially B7 complementary oligonucleotides were synthesised, and were subsequently annealed to obtain a double strand DNA fragment

36

B

with sticky ends:

B7 Cont'd

P5 (sense) (SEQ ID NO: 9)

5' TCGAGGGCGGTGGCGGTTCTGGTGGCGGTGGCTCCGGCGGTGGCGGTTCT 3'

P6 (antisense) (SEQ ID NO: 10)

5' CTAGAGAACCGCCACCGCCGGAGCCACCGCCACCAGAACCGCCACCGCCC 3'

in which the underlined bases are the sequences compatible with the restriction sites for the enzymes XhoI (oligonucleotide P5) and XbaI (oligonucleotide P6).--

Please replace the paragraph beginning on page 20, line 5, with the following rewritten paragraph:

B8

--For the insertion of the tag sequence, the following partially complementary oligonucleotides were synthesised, and were subsequently annealed to obtain a double strand DNA fragment with sticky ends:

P7 (sense) (SEQ ID NO: 11)

5' AGCTGACGACGACGACAAACACCACCACCACCACCACCACTAGGGTCGAC 3'

P8 (antisense) (SEQ ID NO: 12)

5' AGCTGTCGACCCTAGTGGTGGTGGTGGTGGTGGTGTTTGTCGTCGTCGTC 3'

in which the underlined bases are compatible with the HindIII restriction site and the boxed palindromic sequences are the consensus sequences for the enzyme SalI. The resulting double strand DNA fragment was inserted in the restriction site

37

B

B8 Cont'd

HindIII of the recombinant plasmid obtained at the previous step (destroying the HindIII site and creating the SalI site), to obtain the plasmid pRK7-Metron-F-1-His.--

Please replace the paragraph beginning on page 24, line 14, with the following rewritten paragraph:

--HGF cDNA and the plasmid pRK7-Metron-F-1-His described above were used as starting DNA. The fragment corresponding to LS-HL-K1-K2 of HGF was amplificated by PCR using HGF cDNA as template and the following oligonucleotides as primers:

B9

P9 (sense) (SEQ ID NO: 13)

5' CGCGCGGGATCCGCCAGCCCGTCCAGCAGCACCATG 3'

P10 (antisense) (SEQ ID NO: 14)

5' CGCGCGAAGCTTTGTCAGCGCATGTTTTAATTGCAC 3'

in which the underlined palindromic sequences are the restriction sites for the enzymes BamHI (oligonucleotide P9) and HindIII (oligonucleotide P10). The PCR product was digested with the restriction enzymes BamHI and HindIII and then purified by electrophoresis on agarose gel.--

Please replace the paragraph beginning on page 25, line 1, with the following rewritten paragraph:

--For the linker, the following partially complementary

B10

38

B

oligonucleotides were synthesized, and subsequently annealed to obtain a double strand DNA fragment with sticky ends:

P11 (sense) (SEQ ID NO: 15)

5' AGCTTCGGGCGGTGGCGGTTCTGGTGGCGGTGGCTCCGGCGGTGGCGGTTCT 3'

P12 (antisense) (SEQ ID NO: 16)

5' CTAGAGAACCGCCACCGCCGGAGCCACCGCCACCAGAACCGCCACCGCCCGA 3'

in which the underlined bases are the sequences compatible with the restriction sites for the enzymes HindIII (oligonucleotide P11) and XbaI (oligonucleotide P12). The fragment resulting by PCR and the double strand linker sequence were inserted in the plasmid pRK7-Metron-F-1-His in place of the fragment EcoRI-XbaI by means of an EcoRI-BamHI adapter, to obtain the plasmid pRK7-Magic-F-1-His.--

Please delete the eight (8) pages of the specification containing the Sequence Listing located immediately after the claims. Please insert the Substitute Sequence Listing enclosed herewith immediately after the claims.